

What is claimed is:

1. A method of producing an array of proteins comprising,
a) providing a first nucleic acid array comprising nucleic acid molecules
immobilized to a support,

5 b) expressing the nucleic acid molecules to produce proteins,
c) immobilizing the proteins to the support.

2. A method of producing an array of proteins comprising,
a) providing a first nucleic acid array comprising nucleic acid molecules
10 immobilized to a support, and amplifying *in situ* the nucleic acid molecules,
b) expressing the nucleic acid molecules to produce proteins,
c) immobilizing the proteins to the support.

3. A method of producing an array of proteins comprising,
15 a) providing a first nucleic acid array comprising nucleic acid molecules
immobilized to a support, and amplifying *in situ* the nucleic acid molecules,
b) expressing the nucleic acid molecules to produce proteins,
c) transferring at least a subset of proteins produced in step b) to an additional
support, and

20 d) immobilizing the subset to the additional support.

4. A method of producing an array of proteins comprising,
a) providing a first nucleic acid array comprising nucleic acid molecules immobilized to a support, and amplifying *in situ* the nucleic acid molecules,
b) transferring at least a subset of nucleic acid molecules produced by said
5 amplifying to an additional support,
c) immobilizing the subset to the additional support,
d) expressing the subset to produce proteins,
e) immobilizing the proteins to the additional support.

10 5. A method of producing an array of proteins comprising,
a) providing a first nucleic acid array comprising nucleic acid molecules immobilized to a support, and amplifying *in situ* the nucleic acid molecules,
b) transferring at least a subset of nucleic acid molecules produced by said
amplifying to an additional support,
15 c) immobilizing the subset of nucleic acid molecules to the additional support,
d) expressing the subset of nucleic acid molecules to produce proteins,
e) transferring at least a subset of proteins produced in step d) to a subsequent
support, and
f) immobilizing the subset of proteins to the subsequent support.

20 6. The method of claim 1 wherein the nucleic acid molecules of the support are randomly patterned.

25 7. The method of claim 1 wherein the nucleic acid molecules of the support are ordered.

8. A method of producing an array of proteins comprising,
a) providing a first nucleic acid array comprising nucleic acid molecules immobilized to a support,
30 b) immobilizing proteins to the nucleic acid molecules.